



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/076,308

02/19/2002

Chun-Hung Lin

BHT/3111-236

9925

7590

12/16/2003

BRUCE H. TROXELL  
SUITE 1404  
5205 LEESBURG PIKE  
FALLS CHURCH, VA 22041

EXAMINER

PARSONS, THOMAS H

ART UNIT

PAPER NUMBER

1745

DATE MAILED: 12/16/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/076,308

**Applicant(s)**

LIN ET AL.

**Examiner**

Thomas H Parsons

**Art Unit**

1745

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 February 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

## **DETAILED ACTION**

### ***Drawings***

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: reference sign "210" as mentioned on page 4, line 6. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

### ***Specification***

2. The disclosure is objected to because of the following informalities:

Page 1:

lines 6-7, "...especially applied to a metal that inner and outer surfaces both needing high clean and passivation." appears awkwardly worded;

lines 13-17, "...and the surface is then shining and smooth. Features of...to deliver fluids of those fields..." appears awkwardly worded;

lines 22-25, "In prior arts...sealing electrolyte is a must." appears awkwardly worded;

lines 29-30, "In the prior arts...long and bended tube." appears awkwardly worded;

Art Unit: 1745

Page 2:

lines 1-2, "...alone bended curve for not happening short circuits." appears awkwardly worded;

lines 6-8, "In the prior arts...axially rotating tubes simultaneously." appears awkwardly worded;

lines 12-13, "...the present inventor of the patent has being studied..."

lines 25-26, "...a structure of the means is simple to save an equipment cost." appears awkwardly worded;

Page 3:

lines 20-21, "...which makes electrolyte averagely pass through..." appears awkwardly worded;

line 27, suggest changing "including" to --includes--;

Page 4:

lines 24-26, "For other tanks...discussed any further here." appears awkwardly worded;

line 30, suggest changing "including" to --includes--;

Page 5:

line 8, suggest changing "including" to --includes--;

line 33, "...polished by electric field to be easily welded." appears awkwardly worded;

The Examiner suggests that the entire specification be checked for other informalities and for proper idiomatic English.

**Appropriate correction is required.**

*Claim Objections*

3. Claims 1, 2, 4, 6 and 9 are objected to because of the following informalities:

Claim 1, line 7, suggest changing "negative" to --positive--;

Lines 14-15, "...getting...together." appears awkwardly worded;

Claim 2, lines 2-3, "...an end of negative electrode plate is set an electrode hole..."

appears awkwardly worded;

Claim 4, line 2, suggest changing "uses" to "comprises";

Claim 6, lines 2-4, "...wherein an end of positive electrode plate is installed a fastening workpiece apparatus..." appears awkwardly worded; and,

Claim 9, line 4, suggest changing "electrode" to --piece--.

Appropriate correction is required.

*Claim Rejections - 35 USC § 112*

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1, lines 12-13, states "...bottom of lower insulated cover being negative electrode plate." It is unclear as to what the structural relationship is between the insulated cover and the negative electrode plate.

Claims 2-20 are rejected as being dependent upon a rejected base claim.

*Allowable Subject Matter*

6. Claim 1, and claims 2-20, which are dependent thereon, would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

*Conclusion*

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent No. 6,599,415 issued to Ku et al. on 29 July 2003 and filed on 30 April 2001 discloses an electropolishing process means for inner and outer surfaces of a workpiece comprising a turntable to support a workpiece and adapted for rotation and linear movement, an impermeable shield (vessel) surrounding the workpiece and turntable, and conduits with apertures adapted to produce a jet stream onto the workpiece internal and external surface.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas H Parsons whose telephone number is (703) 306-9072. The examiner can normally be reached on M-F (7:00-4:30) First Friday Off.

Application/Control Number: 10/076,308  
Art Unit: 1745


Page 6

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Pat Ryan can be reached on (703) 308-2383. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9310.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

Thomas H Parsons  
Examiner  
Art Unit 1745

\*\*\*

  
Patrick Ryan  
Supervisory Patent Examiner  
Technology Center 1700